

ORGANIC ELECTROLUMINESCENCE ELEMENT

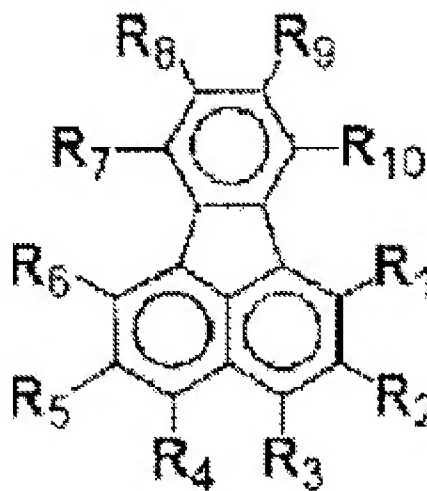
Patent number: JP2002043058
Publication date: 2002-02-08
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Classification:
 - international: **C07C211/61; C09K11/06; H05B33/14; H05B33/22; C07C211/00; C09K11/06; H05B33/14; H05B33/22;**
 (IPC1-7): C07C211/61; H05B33/14; C09K11/06; H05B33/22
 - european:
Application number: JP20000224056 20000725
Priority number(s): JP20000224056 20000725

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Abstract of JP2002043058

PROBLEM TO BE SOLVED: To provide an organic electroluminescent element having high luminance and long service life.

SOLUTION: As a structural material of an organic thin-film layer to be provided between a positive electrode and a negative electrode, a specified fluoranthene compound expressed with a general formula I is used. (In the formula, R1-R10 are independently a hydrogen atom, a halogen atom, a hydroxyl group, an amino group, a nitro group, a cyano group, an alkyl group, an alkenyl group, a cycloalkyl group, an alkoxy group, an aromatic hydrocarbon group, an aromatic heterocyclic group, an aralkyl group, an aryloxy group, an alkoxycarbonyl group, and a carboxyl group, and at least one of the R1-R10 is a diallyl amino group expressed as -NAr1Ar2 (Ar1 and Ar2 separately means an aryl group having 6-20 carbon), and two of the R1-R10 may form a ring).



[I]

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